

**Amendments to the Drawings:**

The attached replacement and annotated sheets of drawings include changes to Figs. 1-7, 9, 10 and 13-17. The changes to Figs. 1-7, 9, 10 and 13-17 add figure legends. The replacement drawing sheets submitted herewith replace the originally filed drawings and, to the best of the knowledge of the undersigned, include no new matter.

**Attachments:**                      **Replacement Sheets for Figs. 1-17**  
**Annotated Sheets Showing Changes to Figs. 1-17**

## REMARKS

By the present amendment, Figs. 1-7, 9, 10 and 13-17 have been changed to add legends thereto. Claims 1-63 remain pending in the present application. Claims 1 and 63 are independent claims. Applicant requests reconsideration and allowance in view of the foregoing amendments and the following remarks.

### *Drawings*

1. The drawings are objected to because allegedly every element in Figs. 1-7, 9, 10 and 13-17 allegedly requires reference characters. Applicant has amended Figs. 1-7, 9, 10 and 13-17 by adding legends to clarify the drawings, and, to the best of the knowledge of the undersigned, include no new matter.

### *Allowed Claims*

2. Applicant notes with appreciation the indication by the Office that claims 1-63 are allowed.

### *Conclusion*

3. Applicant believes that a full and complete reply has been made to the outstanding *Ex parte Quayle* Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will

*Application No. 10/074,048*  
*Art Unit 2664*

*Docket No. 32178-178051*  
*Customer No. 26694*

expedite prosecution of this application, the Examiner is hereby invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment is respectfully requested.

April 13, 2006

Respectfully submitted,

By 

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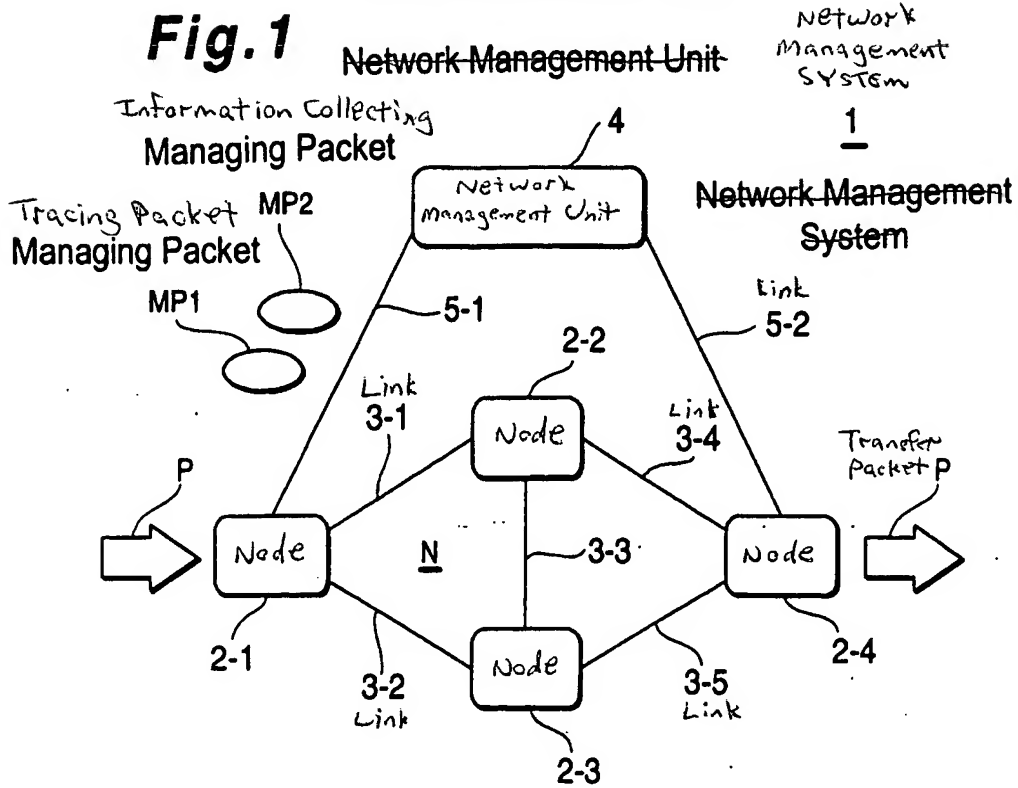
VENABLE LLP

P.O. Box 34385

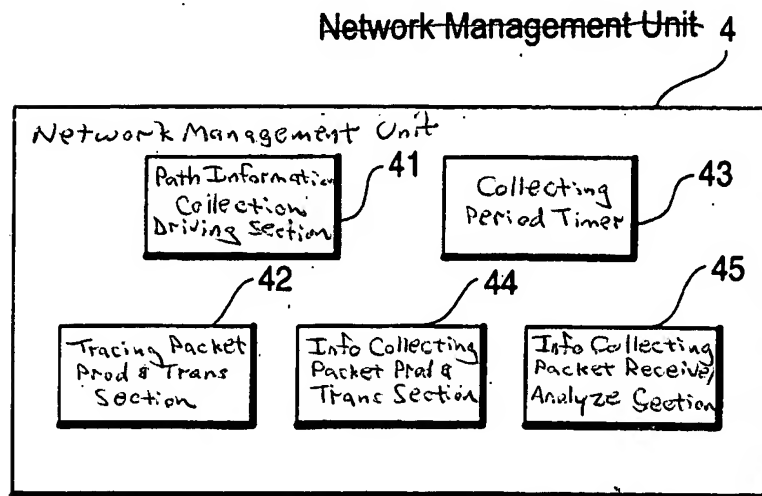
Washington, DC 20043-9998

Attorney/Agent for Applicant

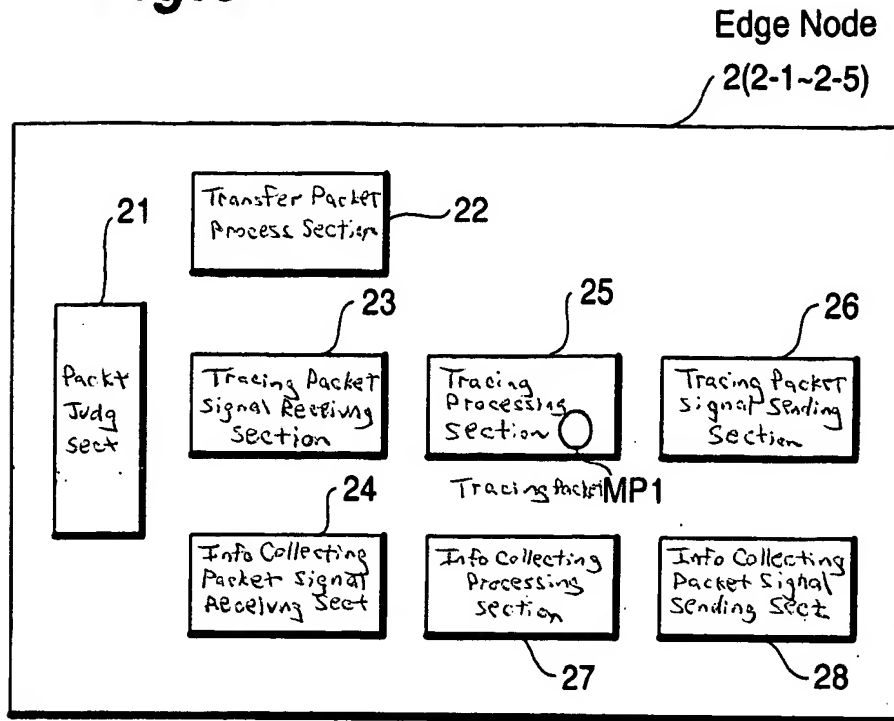
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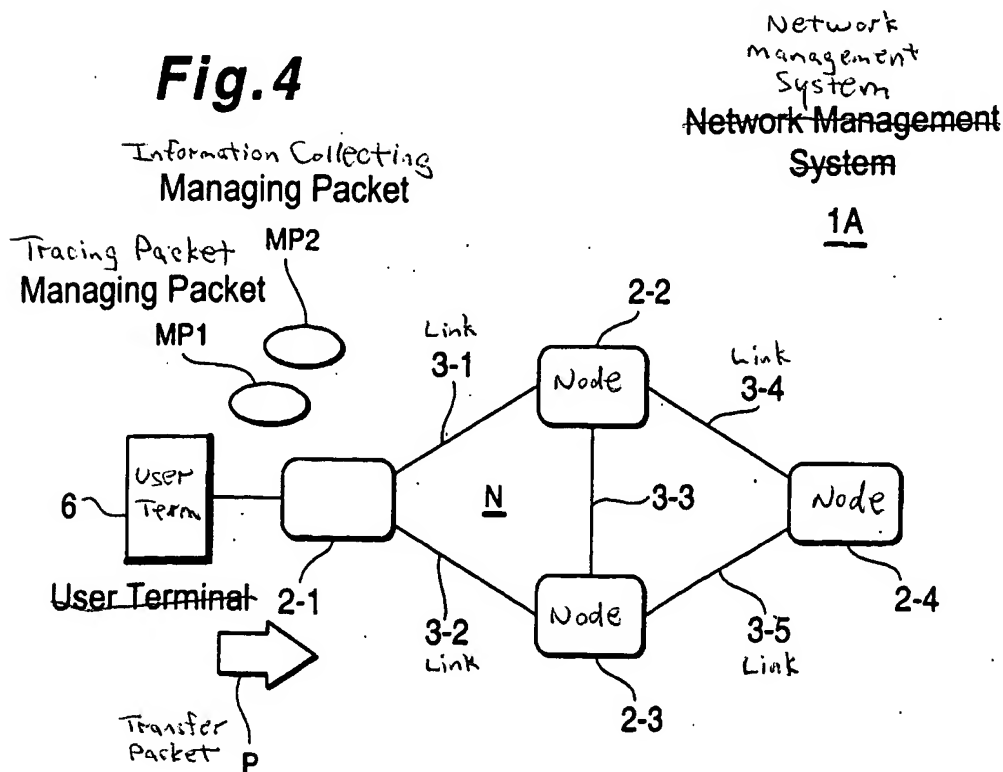
**Fig. 2**



**Fig. 3**



**Fig. 4**



**Fig.5**

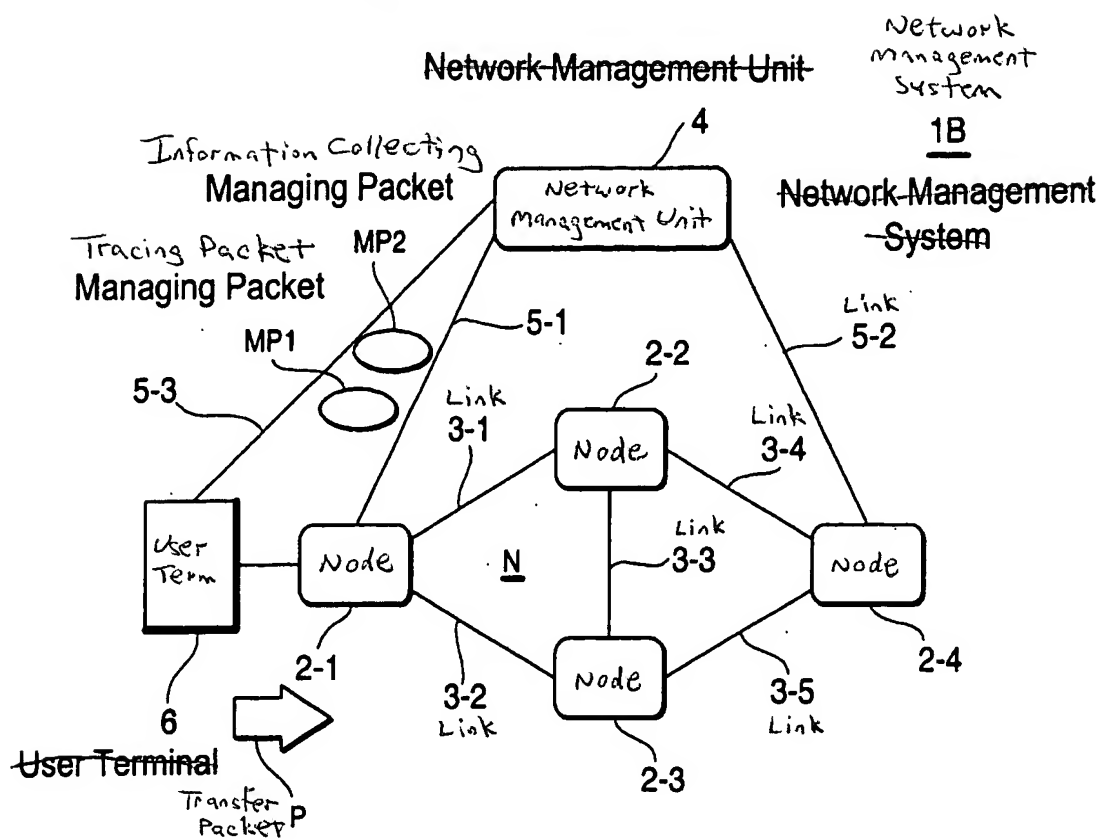


Fig. 6

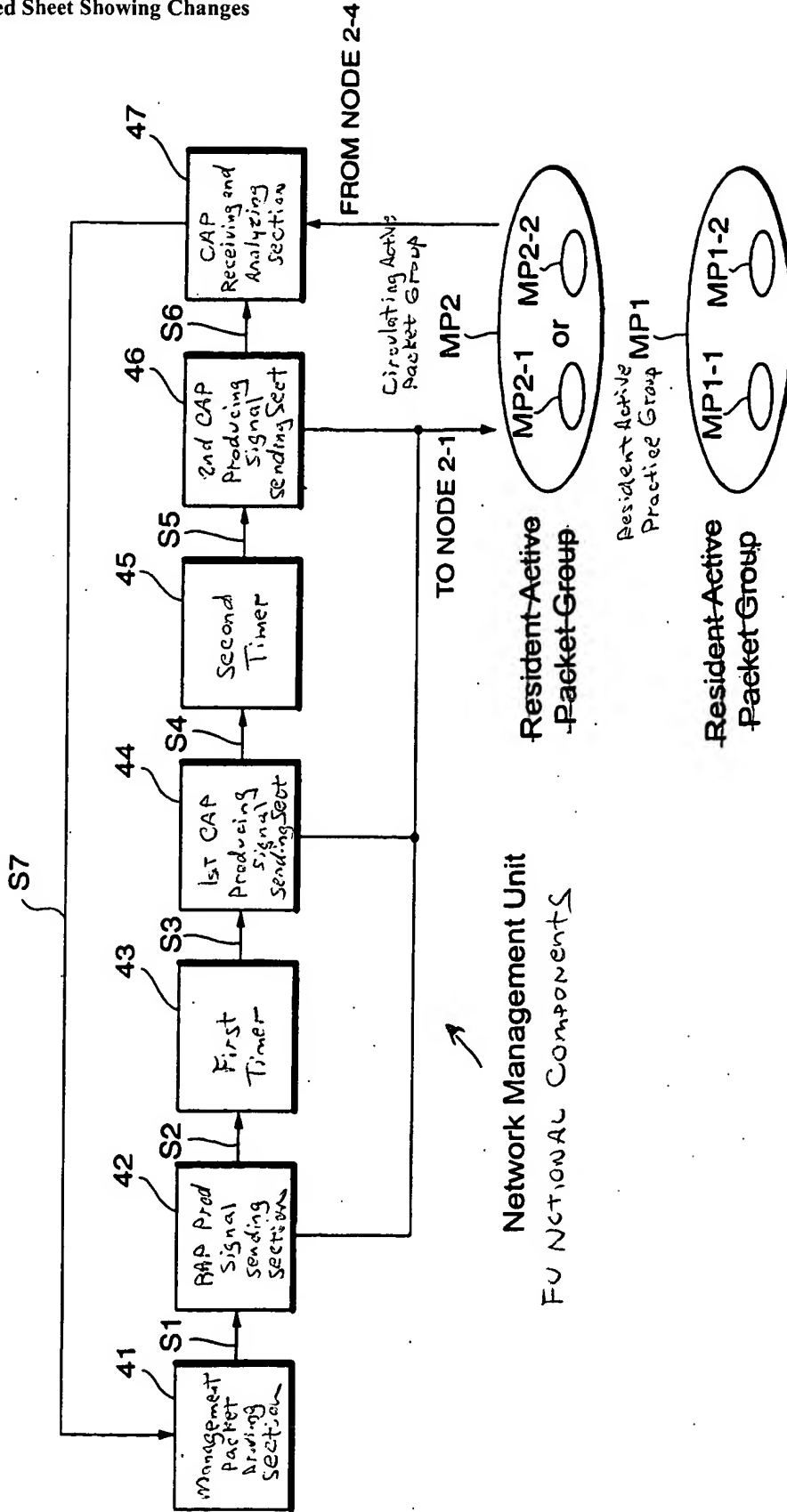


Fig. 7

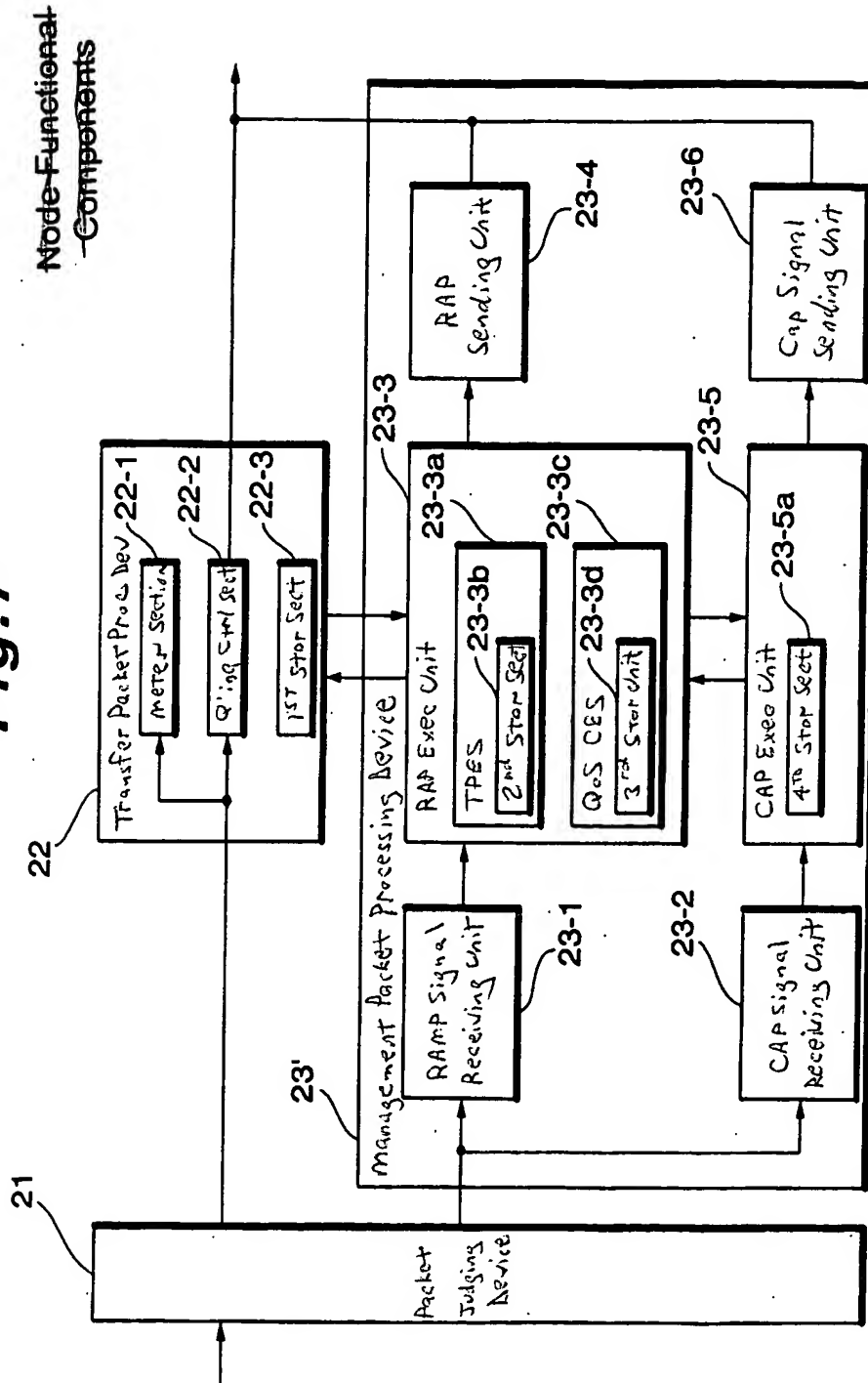
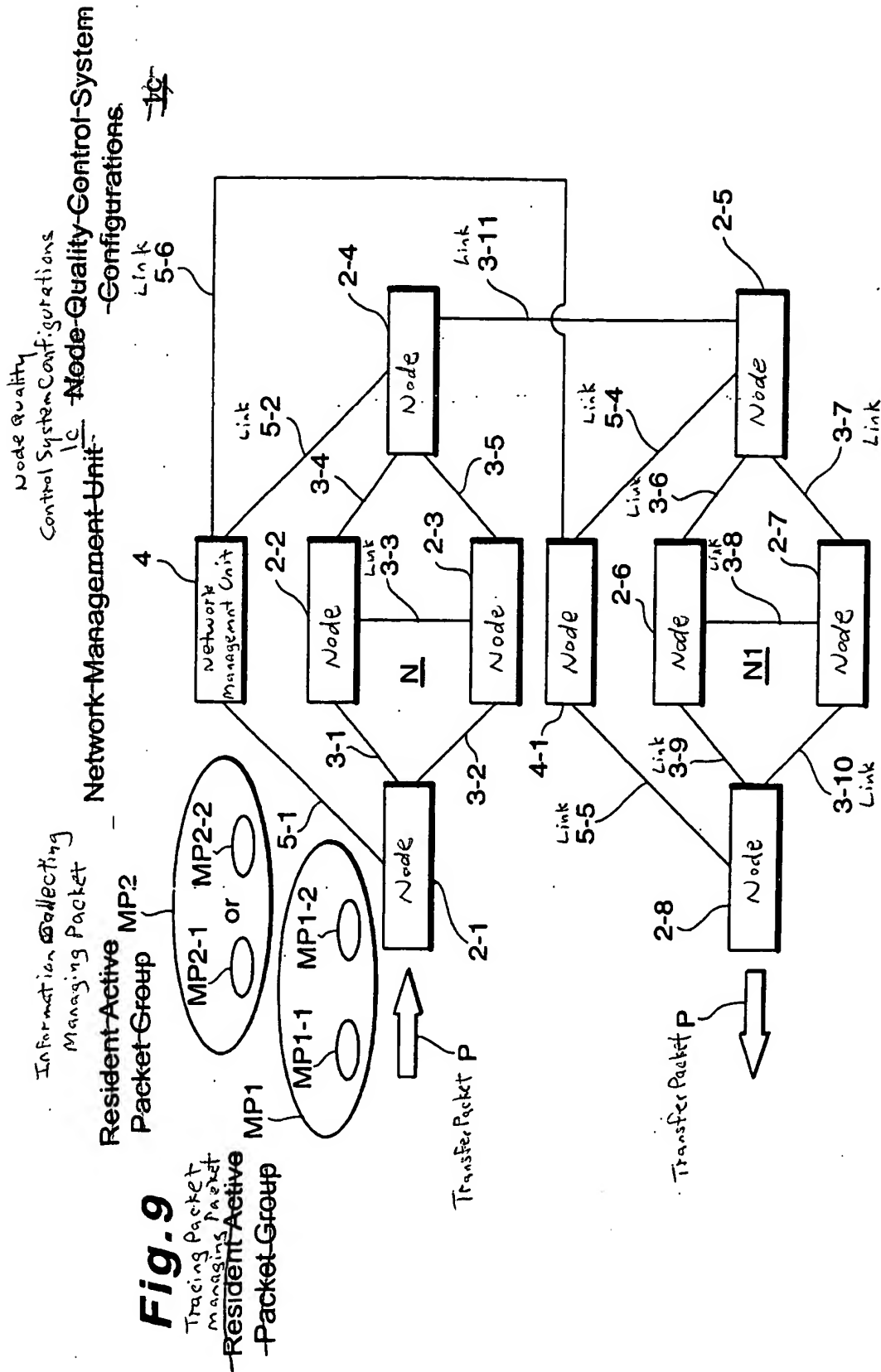




Fig. 8

Class		~74	~75	~76	~77
Degree of importance		Class 4	Class 3	Class 2	Class 1
Degree of importance (High) ~71	Precedence: Emergency(100)	Precedence: Urgency(Flash Override, 100) Urgency(Flash,011)	Precedence: Immediacy(010) Priority(001)	Precedence: Ordinary(000)	
	Sender IP address:AAA (Low delay,high throughput)	Transmission of four packets per one time transmission. Order of transmitting 1, 31, 51 ~78	Transmission of three packets per one time transmission. Order of transmitting 2,5, 32,35, 52,55 ~79	Transmission of two packets per one time transmission. Order of transmitting 3,6,8, 33,36,38, 53,56,58 ~80	Transmission of one packet per one time transmission. Order of transmitting 4,7,9,10, 34,37,39,40, 54,57,59,60 ~81
Degree of importance (Middle) ~72	Sender IP address:CCC (High throughput)	Transmission of four packets per one time transmission. Order of transmitting 11, 41 ~82	Transmission of three packets per one time transmission. Order of transmitting 12,15, 42,45 ~83	Transmission of two packets per one time transmission. Order of transmitting 13,16,18, 43,46,48 ~84	Transmission of one packet per one time transmission. Order of transmitting 14,17,19,20, 44,47,49,50 ~85
	Sender IP address:EEE (Ordinary)	Transmission of four packets per one time transmission. Order of transmitting 21 ~86	Transmission of three packets per one time transmission. Order of transmitting 22,25 ~87	Transmission of two packets per one time transmission. Order of transmitting 23,26,28 ~88	Transmission of one packet per one time transmission. Order of transmitting 24,27,29,30 ~89
Degree of importance (Low) ~73					

**Fig. 9**



Key

## MPI-1: Tracing Processing Packet

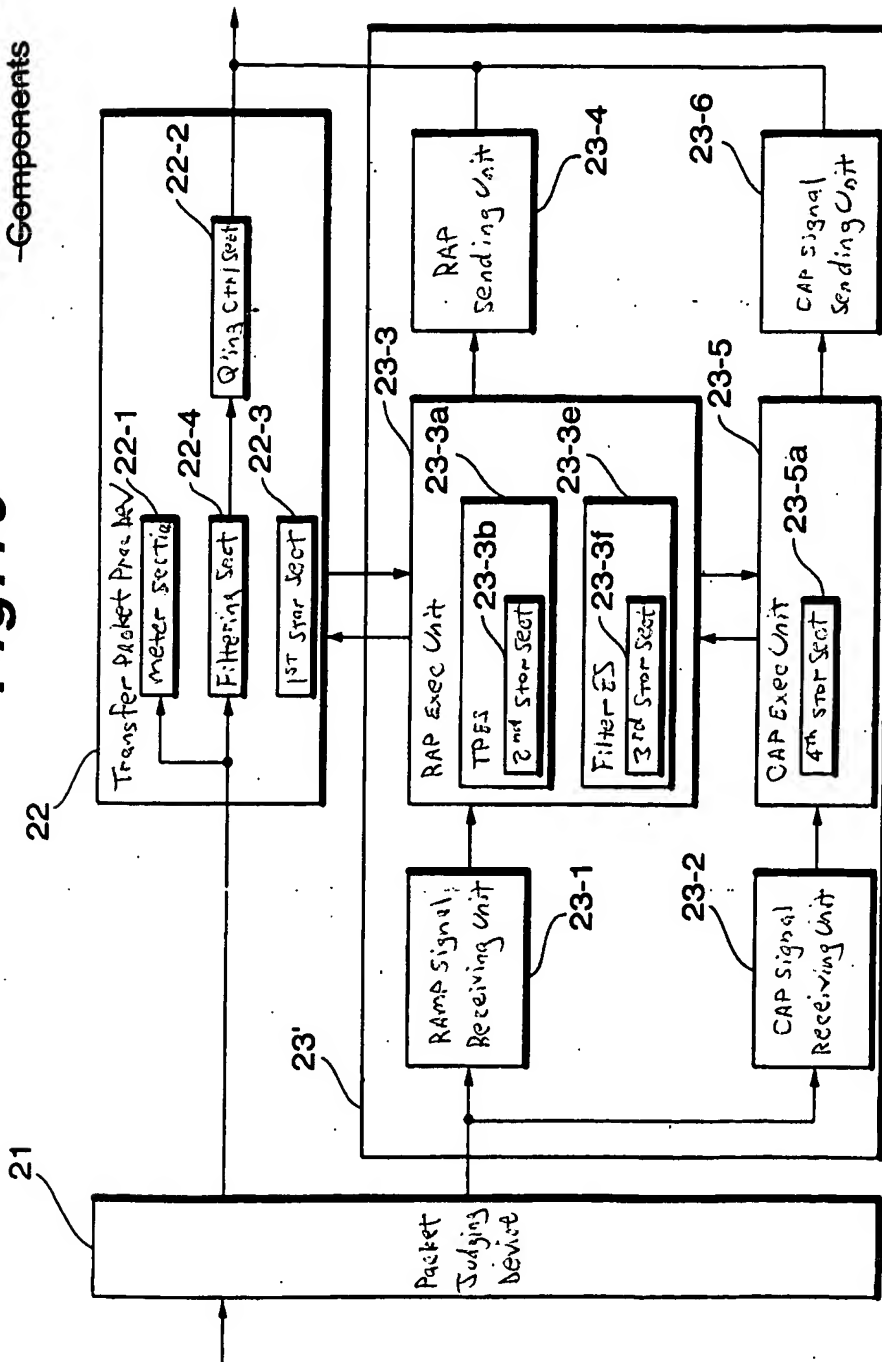
mpl-2: Filtering Packet

MP2-t: Tracing Processing Packet

mp2-2: Information Collecting Packet

Node-Functional-Components

Fig. 10



**Fig. 11**

**[Table 7']**

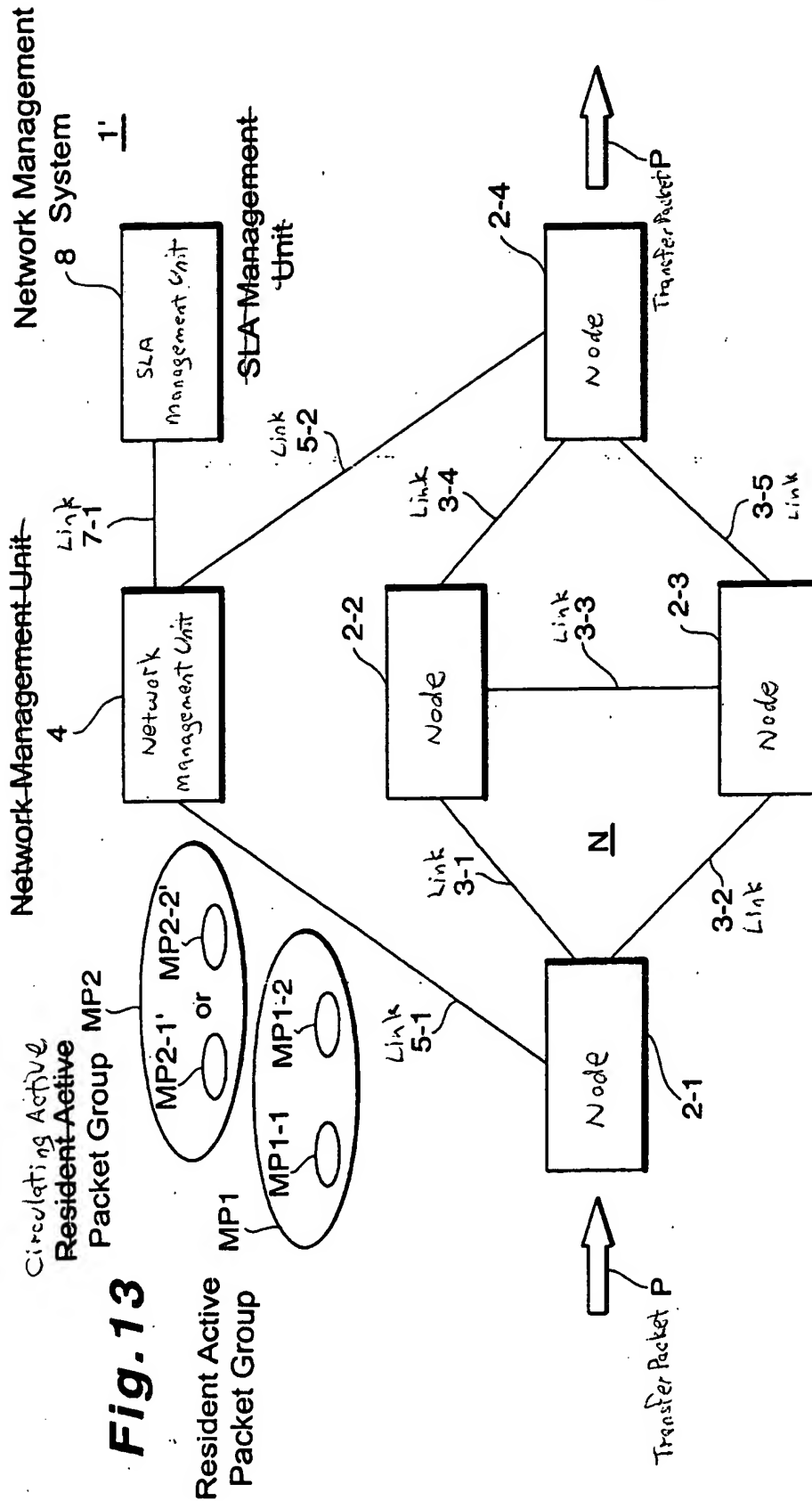
Value for check item	Value of check item exceeds maximum threshold value	Value of check item equal to maximum threshold value	Value of check item is minimum threshold value or more and maximum threshold or less	Value of check is minimum threshold value or less
Check item	~72	~73	~74	~75
Average use frequency of queuing for transfer packet in node	Transfer packet is abandoned	Transfer packets are abandoned at designated frequency	Transfer packets are abandoned depending on values of check item	Transfer packets are not abandoned
~71	~71a	~71b	~71c	~71d
First option (Above check item + precedence of transfer packet)	All transfer packets are abandoned starting from packet having lower precedence	Transfer packets are abandoned starting from packet having lower precedence at designated frequency	Transfer packets are abandoned starting with packet having lower precedence, depending on average frequency of queuing as value of check item	Not transfer packets are abandoned
~76	~76a	~76b	~76c	~76d
Second option (Average frequency of queuing control section of predetermined transfer packet)	All predetermined transfer packets P are abandoned	Predetermined transfer packet P is abandoned by designated frequency	Predetermined transfer packet is abandoned depending on value of check item	No predetermined transfer packet P is abandoned
~77	~77a	~77b	~77c	~77d
Third option (Contents provided in second option + precedence of predetermined transfer packets P)	All packets P having lower precedence are abandoned	Predetermined transfer packet is abandoned starting with packet having lower precedence with designated frequency	Predetermined transfer packet P is abandoned starting with packet having lower precedence and depending on value of check item	No predetermined transfer packet P is abandoned
~78	~78a	~78b	~78c	~78d

**Fig. 12**

**[Table 8]**

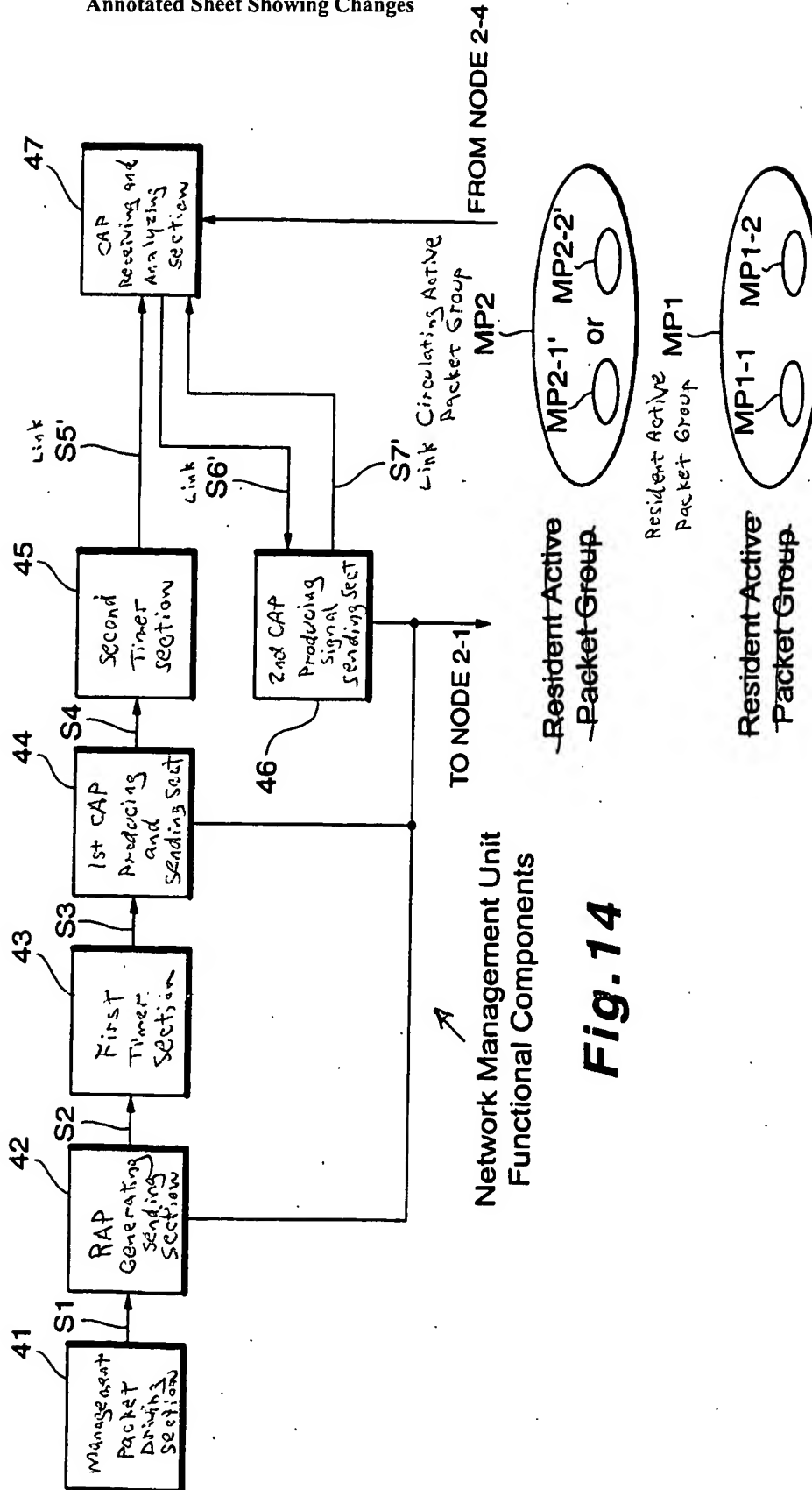
8

Value for check item	Value of check item exceeds maximum threshold value	Value of check item equal to maximum threshold value	Value of check item is minimum threshold value or more and maximum threshold value or less	Value of check is minimum threshold value or less
Check item	~82	~83	~84	~85
Average transmission rate in traffics of transfer packet in node	Transfer packet is abandoned	Transfer packets are abandoned at designated frequency	Transfer packets are abandoned depending on values of check item	Transfer packets are not abandoned
~81	~81a	~81b	~81c	~81d
Fourth option (Above check item + precedence of transfer packet)	All transfer packets are abandoned starting from packet having lower precedence	Transfer packets are abandoned starting from packet having lower precedence at designated frequency	Transfer packets are abandoned starting with packet having lower precedence, depending on average frequency of queuing as value of check item	Not transfer packets are abandoned
~86	~86a	~86b	~86c	~86d
Fifth option (Average transmission rate in traffics of predetermined packet in node)	All predetermined transfer packets P are abandoned	Predetermined transfer packet P is abandoned by designated frequency	Predetermined transfer packet is abandoned depending on value of check item	No predetermined transfer packet P is abandoned
~87	~87a	~87b	~87c	~87d
Sixth option (Fifth option + precedence of predetermined transfer packet P)	All packets P having lower precedence are abandoned	Predetermined transfer packet is abandoned starting with packet having lower precedence with designated frequency	Predetermined transfer packet P is abandoned starting with packet having lower precedence and depending on value of check item	No predetermined transfer packet P is abandoned
~88	~88a	~88b	~88c	~88d



**Key**

MP1-1: Tracing Processing Packet  
 MP1-2: SLA management Packet  
 MP2-1: Information Collecting Packet  
 MP2-2: Congestion Avoiding Packet

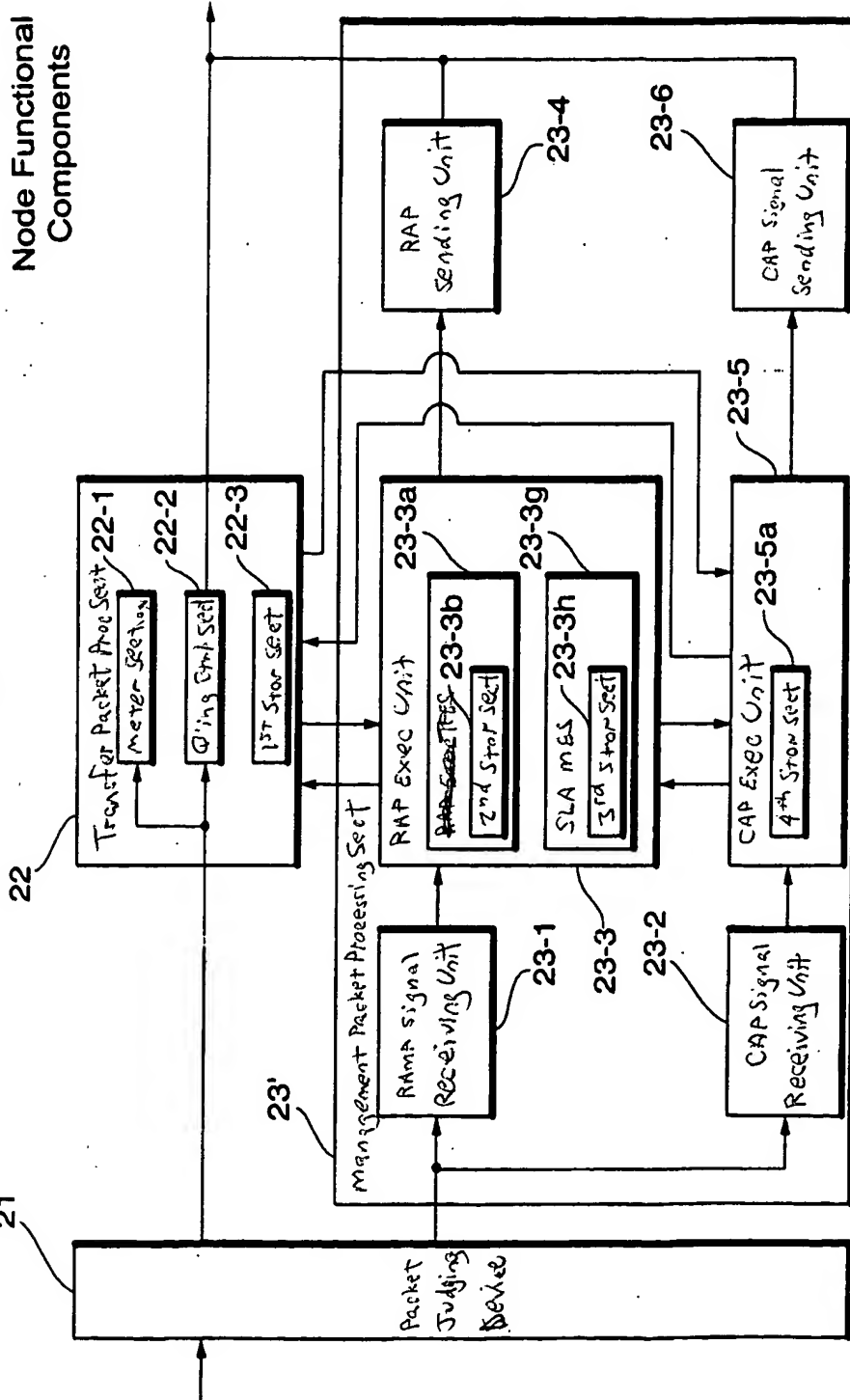


**Fig. 14**

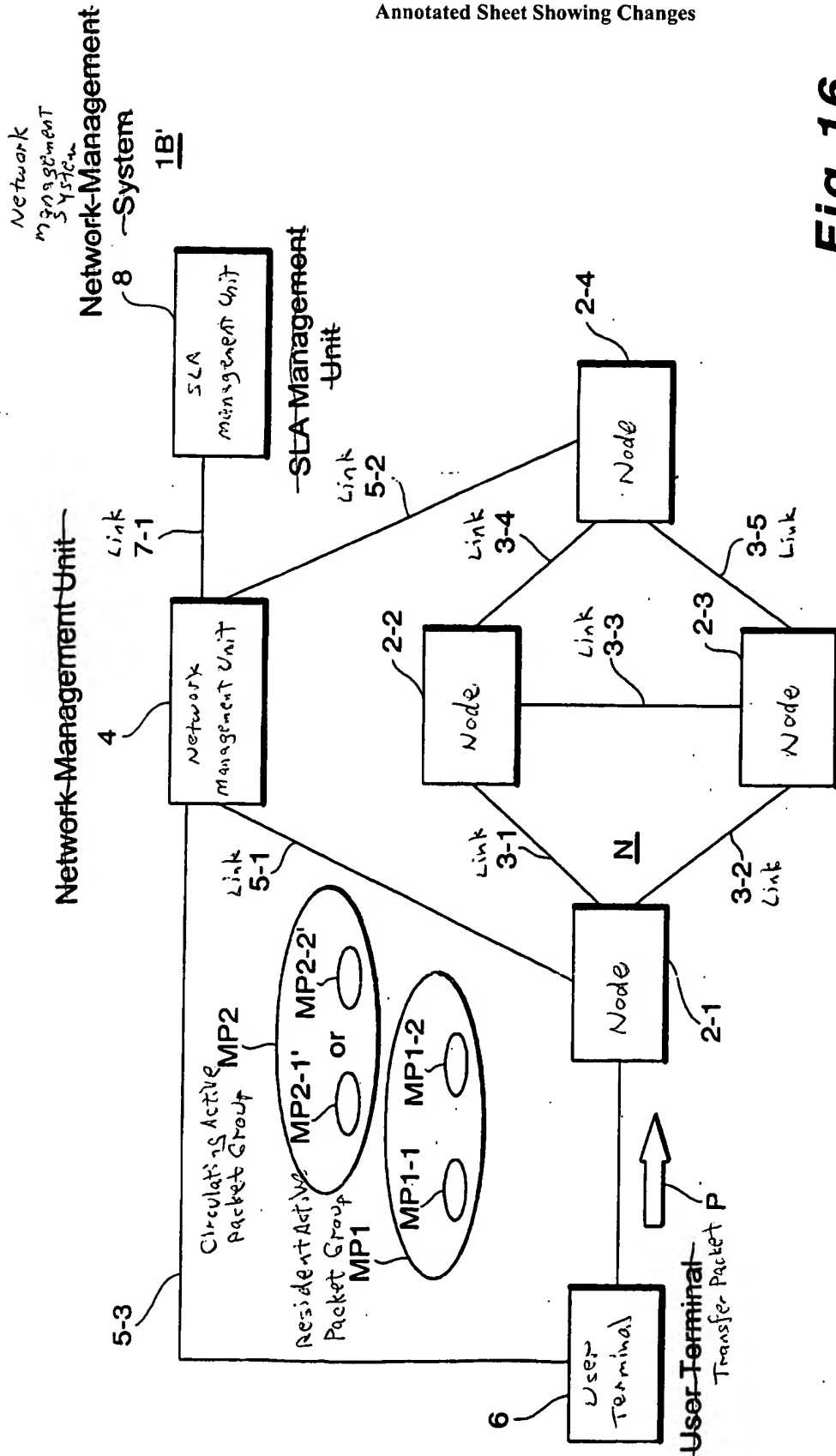
Key

- MP1-1: Tracing Processing Packet
- MP1-2: Filtering Packet
- MP2-1: Tracing Processing Packet
- MP2-2: Information Collecting Packet

**Fig. 15**







**Fig. 16**

Key

- MP1-1: Timing Processing Packet
- MP1-2: SLA management Packet
- MP2-1: Information Collecting Packet
- MP2-2: Congestion Avoiding Packet

